

WET ELECTRIC DUST COLLECTOR

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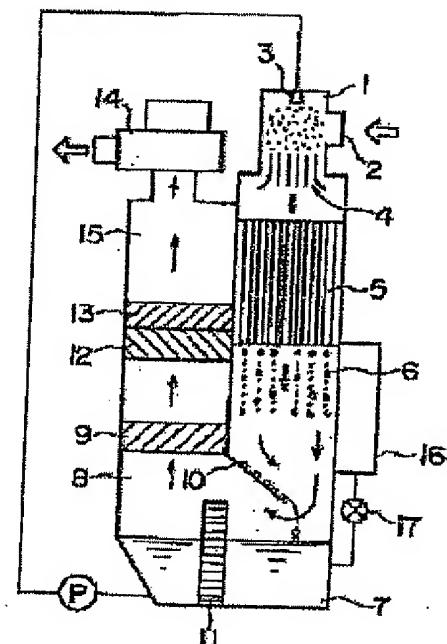
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Abstract of JP2000354787

PROBLEM TO BE SOLVED: To improve dust collecting efficiency in a wet electric dust collector by introducing oil containing gas introduced within a gas passage into an electrode part, cleaning the gas when the gas passes through the electrode part, carrying out treatments of oil recovery or the like and exhausting the deoiled gas through a deodorizing agent and an ozone catalyst from a gas exhausting fan outside of the device.

SOLUTION: Polluted gas introduced into a gas introducing section 1 is sprayed with oil from a nozzle 3 and the resultant gas mixed with the oil is introduced through a flow straightening plate to a planar electrode 5 which adsorbs pollutant adhered to the oil to clean the gas. The gas passed through the planar electrode 5 flows through a baffle plate 10 into a mist catcher 9 wherein oil mist contaminating the gas is recovered. The oil caught at the planar electrode 5 is recovered in an oil tank 7 by gravity separation. The gas passed through the mist catcher 9 is cleaned to be exhausted outside of the device by removing odor by a deodorizing agent 12 and decomposing ozone generated at the planar electrode 5 by a ozone catalyst 13.



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